ANALYSIS 3 VIEW ENGINEER Wm F. Schult DATE 7/23/40		PAGE 33 MODEL S-11 REPORT NO.

GENERAL SPECIFICATONS -

S-11

GROSS LOAD 9119#

ALTITUDE in FEET	SPEED in m.p.h.		CLIMB		TIME TO ALTITUDE in MIN'S
	MINIMUM	MAX.	F/C 1/MIN.	ANGLE°	
Sea Level	90.	395.	5550.	9.2	0.0
10 000	105.	434.	5020.	7.5	1.89
20000 (Design)	123.	458.	4430.	5.9	4.01
30000	148.	437.	2690.	3.6	6.80
40000	182.	420.	1250.	1.8	12.00
49500 (Service Ceiling)		380.	100.	1.7	25.60
50000	231.	375.	0.		

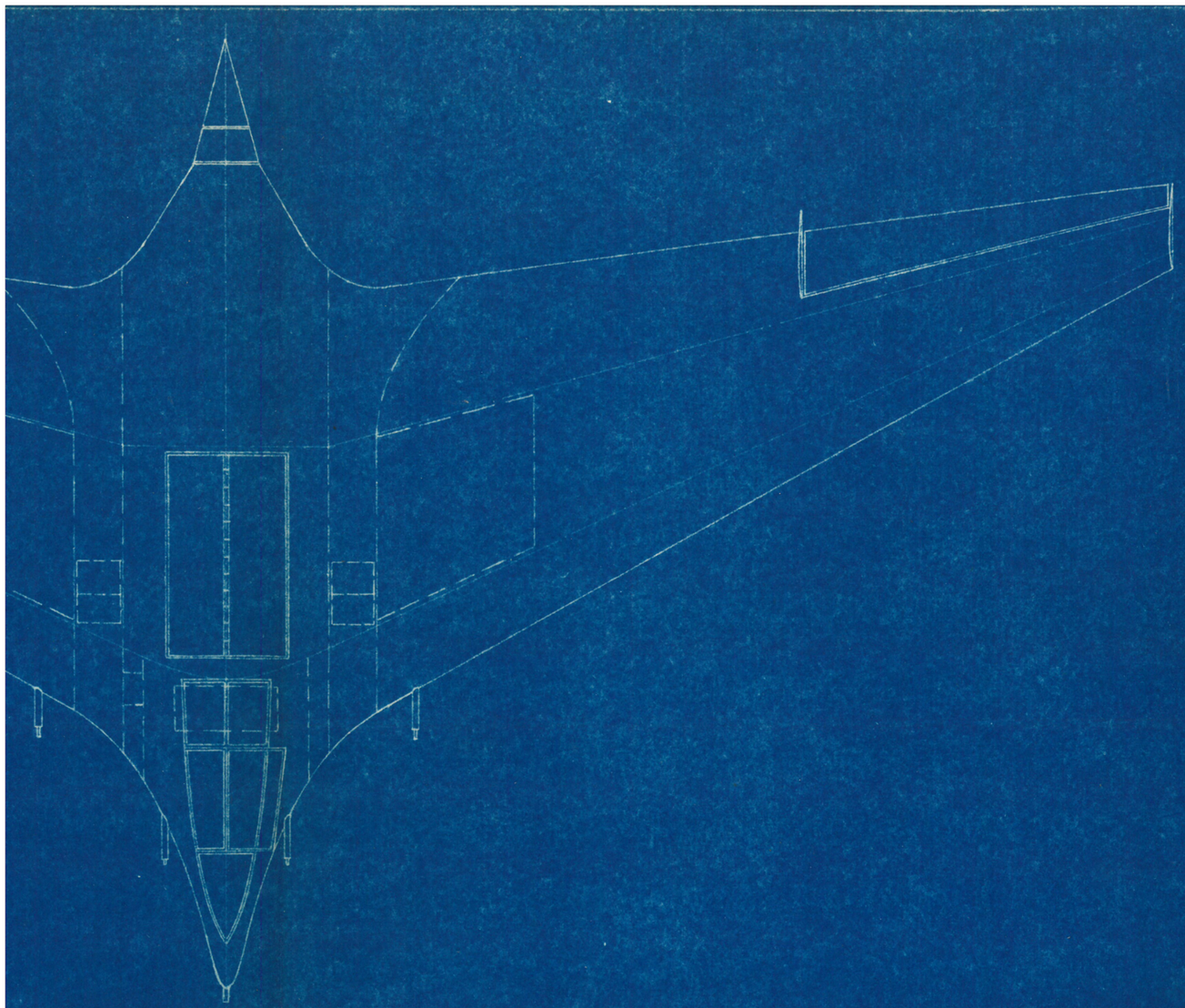
RANGE MAX. @ 20000' ALTITUDE = 1414 miles @ 202 m.p.h.

TAKE OFF DISTANCE TO CLEAR A 50 FOOT FENCE = 1277'

LANDING DISTANCE OVER A 50 FOOT FENCE = 1760'

TERMINAL VELOCITY = 910 m.p.h. ???

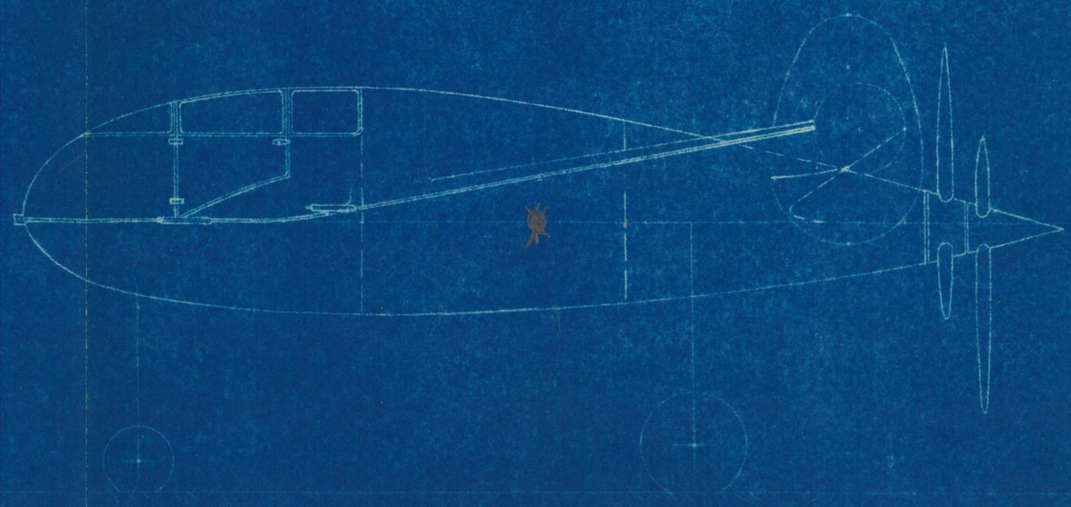
POWER = 2400 B.H.P. ALLISON (W)



PLAN VIEW

FRONT VIEW

SCALE - 1" = 40"



SIDE VIEW